

AMENDMENTS TO THE CLAIMS

- **At time of the Action:** Claims 1-60
- **Claims Amended:** Claims 1, 8, 13, 27, 37, and 52
- **Claims Cancelled:** Claims 2-7, 9-12, 14-26, 28-36, 38-51, and 53-60
- **After This Response:** Claims 1, 8, 13, 27, 37, and 52

1. **(Currently Amended)** A mobile device, comprising:

a keypad to receive an input string representative of one or more Chinese phonetic characters, wherein the keypad comprises number keys, the number keys having associated letters of an alphabet;

a language system to receive the input string entered via the keypad and to generate likely Chinese language characters based on the input string;

a language model to derive likely Chinese language characters based on the input string; and

a processor operative with the keypad and a memory to seamlessly support at least the following modes:

presentation of the likely Chinese language characters on a display;

selection of the likely Chinese language characters; and/or

further input of one or more Chinese phonetic characters on the keypad;

wherein the phonetic characters are Chinese Pinyin and the language characters are Chinese Hanzi.

2.-7. **(Cancelled).**

8. **(Currently Amended)** A mobile device, comprising:

a keypad to receive an input string representative of one or more Chinese phonetic characters, wherein the keypad comprises number keys, the number keys having associated letters of an alphabet;

a language system to receive the input string entered via the keypad and to generate likely Chinese language characters based on the input string;

a language model to derive likely Chinese language characters based on the input string; and

a processor operative with the keypad and a memory to seamlessly support at least the following modes:

presentation of the likely Chinese language characters on a display;

selection of the likely Chinese language characters; and/or

further input of one or more Chinese phonetic characters on the keypad;

wherein the language system includes a character-based bigram language model and a word-based N-gram language model, where $N > 2$.

9.-12. **(Cancelled).**

13. **(Currently Amended)** A mobile device, comprising:

a keypad to receive an input string representative of one or more Chinese phonetic characters, wherein the keypad comprises number keys, the number keys having associated letters of an alphabet;

a language system to receive the input string entered via the keypad and to generate likely Chinese language characters based on the input string;

a language model to derive likely Chinese language characters based on the input string; and

a processor operative with the keypad and a memory to seamlessly support at least the following modes:

presentation of the likely Chinese language characters on a display;

selection of the likely Chinese language characters; and/or

further input of one or more Chinese phonetic characters on the keypad;

wherein the language system comprises:

a first name model to detect first names in the input string;

a surname model to detect surnames in the input string; and

a character-based bigram language model.

14.-26. (Cancelled).

27. (Currently Amended) A system comprising:

a keypad to receive an input string representative of Chinese phonetic characters, wherein the keypad comprises number keys, the number keys having associated letters of an alphabet;

a search engine to identify the likely Chinese language characters;

a resident language model residing on a mobile device to convert Chinese phonetic characters input received from the keypad into likely Chinese language characters using a first statistical language model; and

a nonresident language model residing on a server remote from the mobile device, the nonresident language model being configured to convert the Chinese phonetic characters into the likely Chinese language characters using a second statistical language model; and

a processor operative with the keypad and a memory to seamlessly support at least the following modes:

presentation of the likely Chinese language characters on a display;

selection of the likely Chinese language characters; and/or

refusal of the likely Chinese language characters;

wherein the first statistical language model is a character-based bigram language model and the second statistical language model is a word-based N-gram language model, where $N > 2$.

28.-36. (Cancelled).

37. (Currently Amended) One or more computer-readable media having stored thereon a plurality of instructions that, when executed by one or more processors of a computer, causes the one or more processors to perform acts including:

receiving an input string entered via a numeric-based keypad where number keys in the keypad have associated letters in an alphabet, the input string being representative of one or more Chinese phonetic characters;

generating possible Chinese language characters based on the input string;

converting the input string of one or more Chinese phonetic characters to possible Chinese language characters that are not part of the alphabet;

presenting the possible Chinese language characters using an index that associates selection keys of the keypad with the Chinese language characters, the selection keys being chosen based on whether the letters associated with the selection keys are likely to follow the one or more Chinese phonetic characters already entered; and

seamlessly supporting at least the following modes:

displaying the possible Chinese language characters;

selecting the possible Chinese language characters; and/or

further inputting one or more Chinese phonetic characters;

wherein the phonetic characters are Chinese Pinyin and the language characters are Chinese Hanzi.

38.-51. **(Cancelled).**

52. **(Currently Amended)** A mobile device, comprising:

a keypad to receive an input string representative of one or more Chinese phonetic characters, wherein the keypad comprises number keys, the number keys having associated letters of an alphabet;

a language system to receive the input string of letters from the alphabet entered via associated number keys of the keypad, and to generate likely Chinese language characters based on the input string;

a language model to derive likely Chinese language characters based on the input string; and

a display to present the likely Chinese language characters for user selection;

wherein the language system includes a character-based bigram language model and a word-based N-gram language model, where $N \geq 2$.

53.-60. (Cancelled).